

Global Cooperation in the Science of Sun-Earth Connection

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The international space science community had recognized the importance of space weather more than a decade ago, which resulted in a number of international collaborative activities such as the International Space Weather Initiative (ISWI), the Climate and Weather of the Sun Earth System (CAWSES) by SCOSTEP and the International Living with a Star (ILWS) program. These programs have brought scientists together to tackle the scientific issues related to short and long term variability of the Sun and the consequences in the heliosphere. The ISWI program is a continuation of the successful International Heliophysical Year (IHY) 2007 program in focusing on science, observatory deployment, and outreach. The IHY/ISWI observatory deployment has not only filled voids in data coverage, but also inducted young scientists from developing countries into the scientific community. The ISWI schools and UN workshops are the primary venues for interaction and information exchange among scientists from developing and developed countries that lead to collaborative efforts in space weather. This paper presents a summary of ISWI activities that promote space weather science via complementary approaches in international scientific collaborations, capacity building, and public outreach.